

AMENDMENTS TO THE CLAIMS

1 to 6 (Canceled)

7 (Currently Amended). An endovascular prosthesis system comprising
a prosthesis body sized and configured for introduction into a blood vessel lumen
and including a wall defining an interior passage for blood,

means for radially expanding the wall of the prosthetic body into contact with the
blood vessel lumen,

one or more a plurality of connectors attached distributed about to the wall in a
circumferentially spaced distribution, and

a tissue piercing spiral suture fastener carried by at least one each of the connectors,
each tissue piercing spiral suture including a sharpened penetrating end that pierces tissue in
response to rotation of the tissue piercing spiral suture,

a plurality of semi-flexible cables, each semi-flexible cable including a distal end
releasably connected to one of the tissue piercing spiral sutures carried by one of the connectors and
a proximal end that extends to a remote location outside the blood vessel lumen, and

an external rotary driver sized and configured to be coupled to the proximal end of
each semi-flexible cable to rotate the semi-flexible cable and thereby rotate the tissue piercing spiral
suture carried by the respective connector the fastener being sized and configured for advancement
to pierce tissue and advance through the connector into tissue in the blood vessel lumen,

each connector further including a base comprising a tissue penetration stop for the
tissue piercing spiral suture.

8 to 13 (Canceled).

14 (Currently Amended). A prosthesis system according to claim 7 1
wherein the means for radially expanding the wall of the prosthesis body ~~is thermally~~
~~expandable~~ into contact with tissue in the blood vessel lumen includes thermal expansion.

15 (Currently Amended). A prosthesis system according to claim 7 1
wherein the means for radially expanding the wall of the prosthesis body ~~is~~
~~expandable~~ into contact with tissue in the blood vessel lumen ~~in response to expansion of~~ includes
an expandable body expandable within the prosthesis body.

16 (Canceled).